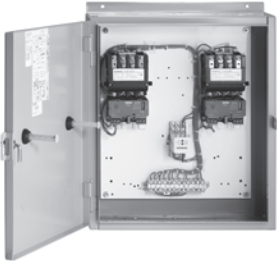


Duplex Heavy Duty Controllers

Non-Combination, Class 83

Selection

|  | Ordering Information <ul style="list-style-type: none"> ▶ Standard coil voltage supplied will be 120V, separate control. For non-alternator styles (see factory modifications) change the 9th character using the coil table. ▶ Heater elements for bimetal overloads see page 8/150 (6-Required). ▶ Field Modification Kits see page 8/82. ▶ Factory Modifications see page 8/95. ▶ Dimensions see page 8/127. ▶ Wiring Diagrams see page 8/143. ▶ Replacement Parts see page 8/157. | Coil Table <table border="1"> <thead> <tr> <th>60Hz Voltage</th> <th>Letter</th> </tr> </thead> <tbody> <tr> <td>24 Separate Control[Ⓜ]</td> <td>J</td> </tr> <tr> <td>120 Separate Control</td> <td>F</td> </tr> <tr> <td>200-208[Ⓜ]</td> <td>D</td> </tr> <tr> <td>220-240[Ⓜ]</td> <td>G</td> </tr> <tr> <td>277[Ⓜ]</td> <td>L</td> </tr> <tr> <td>440-480[Ⓜ]</td> <td>H</td> </tr> <tr> <td>550-600[Ⓜ]</td> <td>E</td> </tr> </tbody> </table> | 60Hz Voltage | Letter | 24 Separate Control [Ⓜ] | J | 120 Separate Control | F | 200-208 [Ⓜ] | D | 220-240 [Ⓜ] | G | 277 [Ⓜ] | L | 440-480 [Ⓜ] | H | 550-600 [Ⓜ] | E |
|--|---|--|--------------|--------|----------------------------------|---|----------------------|---|----------------------|---|----------------------|---|------------------|---|----------------------|---|----------------------|---|
| | 60Hz Voltage | Letter | | | | | | | | | | | | | | | | |
| 24 Separate Control [Ⓜ] | J | | | | | | | | | | | | | | | | | |
| 120 Separate Control | F | | | | | | | | | | | | | | | | | |
| 200-208 [Ⓜ] | D | | | | | | | | | | | | | | | | | |
| 220-240 [Ⓜ] | G | | | | | | | | | | | | | | | | | |
| 277 [Ⓜ] | L | | | | | | | | | | | | | | | | | |
| 440-480 [Ⓜ] | H | | | | | | | | | | | | | | | | | |
| 550-600 [Ⓜ] | E | | | | | | | | | | | | | | | | | |

Non-Combination (with Solid-State Overload)

| Max Hp | | | | NEMA Size | Half Size | Overload | | Enclosure [Ⓜ] | | | | | | | |
|-----------|-----------|-----------|-----------|-----------|-----------|----------------|---------------|---------------------------|---------------|--|---------------|--|---------------|--|--|
| 200 Volts | 230 Volts | 460 Volts | 575 Volts | | | Amp Range | Frame Size | NEMA 1 General Purpose | | NEMA 4/4X Stainless Watertight, Dust-tight, Corrosion Resistant 304 Stainless Steel 316 Stainless Steel (Optional) | | NEMA 4 Painted Watertight, Dust-tight | | NEMA 12 NEMA 3/3R [Ⓜ] Industrial Use Weatherproof (Field Convertible to 3/3R) | |
| | | | | | | Catalog Number | List Price \$ | Catalog Number | List Price \$ | Catalog Number | List Price \$ | Catalog Number | List Price \$ | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 0 | — | 0.25-1 | A | 83CUA92BF | | 83CUA92WF | | 83CUA92EF | | 83CUA920F | |
| 1/2 | 3/4 | 1 1/2 | 2 | 0 | — | 0.75-3.4 | A | 83CUB92BF | | 83CUB92WF | | 83CUB92EF | | 83CUB920F | |
| 2 | 2 | 5 | 5 | 0 | — | 3-12 | A1 | 83CUC92BF | | 83CUC92WF | | 83CUC92EF | | 83CUC920F | |
| 3 | 3 | — | — | 0 | — | 5.5-22 | A1 | 83CUD92BF | | 83CUD92WF | | 83CUD92EF | | 83CUD920F | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1 | — | 0.25-1 | A | 83DUA92BF | | 83DUA92WF | | 83DUA92EF | | 83DUA920F | |
| 1/2 | 3/4 | 1 1/2 | 2 | 1 | — | 0.75-3.4 | A | 83DUB92BF | | 83DUB92WF | | 83DUB92EF | | 83DUB920F | |
| 2 | 2 | 5 | 5 | 1 | — | 3-12 | A1 | 83DUC92BF | | 83DUC92WF | | 83DUC92EF | | 83DUC920F | |
| 3 | 3 | 10 | 10 | 1 | — | 5.5-22 | A1 | 83DUD92BF | | 83DUD92WF | | 83DUD92EF | | 83DUD920F | |
| 7 1/2 | 7 1/2 | — | — | 1 | — | 10-40 | A1 | 83DUE92BF | | 83DUE92WF | | 83DUE92EF | | 83DUE920F | |
| 10 | 10 | 15 | 15 | — | 1 1/4 | 10-40 | A1 | 83EUE92BF | | 83EUE92WF | | 83EUE92EF | | 83EUE920F | |
| 10 | 15 | 25 | 25 | 2 | — | 13-52 | B | 83FUF92BF | | 83FUF92WF | | 83FUF92EF | | 83FUF920F | |
| 15 | 20 | 30 | 30 | — | 2 1/2 | 25-100 | B | 83GUG92BF | | 83GUG92WF | | 83GUG92EF | | 83GUG920F | |
| 25 | 30 | 50 | 50 | 3 | — | 25-100 | B | 83HUG92BF | | 83HUG92WF | | 83HUG92EF | | 83HUG920F | |
| 30 | 40 | 75 | 75 | — | 3 1/2 | 50-200 | B | 83IUH92BF | | 83IUH92WF | | 83IUH92EF | | 83IUH920F | |
| 40 | 50 | 100 | 100 | 4 | — | 50-200 | B | 83JUH92BF | | 83JUH92WF | | 83JUH92EF | | 83JUH920F | |

Non-Combination (with Ambient Compensated Bimetal Overload)

| Max Hp | | | | NEMA Size | Half Size | Enclosure | | | | | | | |
|-----------|-----------|-----------|-----------|----------------|---------------|---------------------------|---------------|---|---------------|--|---------------|---|--|
| 200 Volts | 230 Volts | 460 Volts | 575 Volts | | | NEMA 1 General Purpose | | NEMA 4/4X Stainless Watertight, Dust-tight Corrosion Resistant 304 Stainless Steel | | NEMA 4 Painted Watertight Dust-tight | | NEMA 12/3R [Ⓜ] Industrial Use Weatherproof | |
| | | | | Catalog Number | List Price \$ | Catalog Number | List Price \$ | Catalog Number | List Price \$ | Catalog Number | List Price \$ | | |
| 3 | 3 | 5 | 5 | 0 | — | 83CP92BF81 | | 83CP92WF81 | | 83CP92EF81 | | 83CP920F81 | |
| 7 1/2 | 7 1/2 | 10 | 10 | 1 | — | 83DP92BF81 | | 83DP92WF81 | | 83DP92EF81 | | 83DP920F81 | |
| 10 | 10 | 15 | 15 | — | 1 1/4 | 83EP92BF81 | | 83EP92WF81 | | 83EP92EF81 | | 83EP920F81 | |
| 10 | 15 | 25 | 25 | 2 | — | 83FP92BF81 | | 83FP92WF81 | | 83FP92EF81 | | 83FP920F81 | |
| 15 | 20 | 30 | 30 | — | 2 1/2 | 83GP92BF81 | | 83GP92WF81 | | 83GP92EF81 | | 83GP920F81 | |
| 25 | 30 | 50 | 50 | 3 | — | 83HP92BF81 | | 83HP92WF81 | | 83HP92EF81 | | 83HP920F81 | |
| 30 | 40 | 75 | 75 | — | 3 1/2 | 83IP92BF81 | | 83IP92WF81 | | 83IP92EF81 | | 83IP920F81 | |
| 40 | 50 | 100 | 100 | 4 | — | 83JP92BF81 | | 83JP92WF81 | | 83JP92EF81 | | 83JP920F81 | |

Note: Hp's shown above are based on the overload amp range for the FLA's (per the National Electric Code) of typical industrial motors. All starter sizes carry one maximum Hp rating.

Ⓜ NEMA 12 is field convertible to NEMA 3/3R. For conduit hubs and conversion instructions, see page 8/88.

Ⓜ Not available on standard alternator style ('92' in the catalog number).

Ⓜ Enclosed starters with the ESP200 OLR will not be available until approximately December 2009. Continue to order enclosed starters with the ESP100 OLR until then.